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UTILITY
PATENT APPLICATION
TRANSMITTAL

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Attorn	ey Docket No.	SON-1697/DIV
First II	nventor	
Title	DIGITAL/ANA SHIFT CIRCU LEVEL SHIF	ALOG CONVERTER CIRCUIT, LEVEL UIT, SHIFT REGISTER UTILIZING T CIRCUIT, ETC.

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. MS Patent Application Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450 Alexandria, VA 22313-1450 CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) 7. Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 8. (if applicable, all necessary) See 37 CFR 1.27. Specification 96 Computer Readable Form (CRF) [Total Pages 3. Χİ (preferred arrangement set forth below) b. Specification Sequence Listing on: Descriptive title of the invention Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Paper Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, Statements verifying identity of above copies C. or a computer program listing appendix Background of the Invention **ACCOMPANYING APPLICATION PARTS** Brief Summary of the Invention
 Brief Description of the Drawings (if filed) 9. Assignment Papers (cover sheet & document(s)) - Detailed Description 37 CFR 3.73(b) Statement Power of Claim(s) 10. - Abstract of the Disclosure (when there is an assignee) Attorney χ Drawing(s) (35 U.S.C. 113) [Total Sheets 31 11. English Translation Document (if applicable) Copies of IDS Information Disclosure 5. Oath or Declaration [Total Sheets 2 12. х Statement (IDS)/PTO-1449 Citations **Preliminary Amendment** 13. Х Newly executed (original or copy) Copy from a prior application (37 CFR 1.63(d)) Return Receipt Postcard (MPEP 503) 14. Х Х (Should be specifically itemized) Claim for Priority 15. Х **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 16. Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Divisional Continuation-in-part (CIP) of prior application No.: 09/466,969 Continuation Х 2674 Prior application information: Examiner Xiao Min Wu Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 23353 OR Correspondence address below Х Customer Number: RADER, FISHMAN & GRAUER PLLC Name Ronald P. Kananen 1233 20th Street, N.W. Address Suite 501 Zip Code State DC 20036 City Washington (202) 955-3750 Fax (202) 955-3751 Country US Telephone Name (Print/Type) Ronald P. Kananen Registration No. (Attorney/Agent) 24,104 Signature Date December 15, 2003

		Complete if Known						
FEE TRANSMITTAL						et Assigned (Divisional of Appl. No.: 09/466,969)		
for FY 2004	ŀ					December 15, 2003		
Effective 10/01/2003, Patent fees are subject to annual revision.	ŀ	Filing Date First Named Inventor				Yoshiharu NAKAJIMA		
Ellective Two 1/2003, Faterit lees are subject to annual revision.	Examiner Name				Xiao Min Wu			
Applicant claims amall antity status. See 27 CER 1 27								
Applicant claims small entity status. See 37 CFR 1.27	}	Art Un				2674		
TOTAL AMOUNT OF PAYMENT (\$) 1,122.00	I	Attom	ey Do	cket No).	SON-1697/DIV		
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
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X Deposit Account:	Large	Entity	Smal	l Entity				
Account 18-0013 Number	Fee Code	Fee (\$)	Fee Code	Fee (\$)	_	Fee Desc	ription	Fee Paid
Deposit Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	_	urcharge – late filing fee or oath		
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge - sheet.	rcharge – late provisional filing fee or cover eet.		
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	on-English specification		
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520		ng a request for ex parte reexamination		
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Examiner a	ng publication of SIR prior to		
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting Examiner a	publication o	f SIR after	
FEE CALCULATION	1251	110	2251	55		or reply within		
1. BASIC FILING FEE	1252	420	2252	210	Extension fo	or reply within	second month	
Large Entity Small Entity	1253	950	2253	475	Extension for	or reply within	third month	
Fee Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for	or reply within	fourth month	
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension for	or reply within	fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Ap	-		<u> </u>
1003 530 2003 265 Plant filing fee	1402	330	2402	165	-	f in support o	f an appeal	I
1004 770 2004 385 Reissue filing fee 1005 160 2005 80 Provisional filing fee	1403 1451	290 1,510	2403 1451	145		oral hearing	lic use proceeding	H
'	1452	110	2452	55		ition to institute a public use proceeding ition to revive – unavoidable		
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665	Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue	fee (or reissu	i o)	
Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issu	e fee		
Total Claims 30 -20** = 10 x 18.00 = 180.00	1503	640	2503	320	Plant issue	fee		
Independent 5 -3** = 2 x 86.00 = 172.00	1460	130	1460	130	Petitions to	the Commiss	ioner	
Multiple Dependent =	1807	50	1807	50	Processing	fee under 37	CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submission	of Informatio	n Disclosure Stmt	
Fee Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40		each patent a	ssignment per of properties)	
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a sub	mission after	final rejection	
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.1 For each ac	129(a)) Iditional inver	ntion to be	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	examined (37CFR 1.129	(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	•	· Continued E	xamination (RCE)	<u> </u>
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 Other	900 fee (spec	1802	900	of a design			
SUBTOTAL (2) (\$) 352.00		iced by E		iling Fee	Paid	SUBTO	TAL (3) (\$)	0.00
**or number previously paid, if greater; For Reissues, see above	11000	Uy E	Jaoie F			555101	A= (0) (W)	3.00
SUBMITTED BY				-		(Complete	(if applicable))	
Name (Print/Type) Ronald P. Kananen		ration No		1,104		T .	(202) 955-3750)
Signature Date December 15, 2003								

AME	NDMENT 1	ransmi ⁻	TTAL LE	TTER		ocket No. I-1697/DIV
Application	n No.	Filing (Date	Examiner		Art Unit
Not Yet Assigned(Divisional of J.S. Appl. No.: 09/466,969)		December	15, 2003	Xiao Min Wu	ı	2674
pplicant(s): Yosl	niharu NAKAJI	MA et al.				
vention: UTILIZI	NG LEVEL SH	IIFT CIRCUIT	SAMPLING I	'EL SHIFT CIRCUIT LATCH CIRCUIT, L PRATING THE SAMI	ATCH CIF	
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	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate		
Total Claims	30	- 20 =	10	x 18.00	-	180.00
Independent Claims	5	- 3 =	2	x 86.00		172.00
Multiple Depend	lent Claims (che	eck if applicabl	le)			
Other fee (please specify): Basic filing fee - utility 770.00						
TOTAL ADDITI	ONAL FEE FO	OR THIS AME	NDMENT:			1,122.00
X Please charge A duplicate of A check in the	copy of this she	eount No1	18-0013 i i. to cover	n the amount of \$ _		2.00 .
as described	is hereby auth I below. A dup ny overpaymer	licate copy of		t Deposit Account No enclosed.	o. <u>18</u>	-0013
Ronald P Kana Attorney Reg. N	nen	ing or applicatio	on processing	fees required under 3 Dated:		16 and 1.17.
RADER, FISHM 1233 20th Stree Suite 501 Washington, D0 (202) 955-3750 Customer No.	et, N.W. C 20036	R PLLC			·	